Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	14	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same connect$3 same anti-ferromagnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 14:15
L3	14	(MTJ or (magnetic adj tunnel adj junction)) same (free adj2 layer) same connect$3 same anti-ferromagnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 14:35
L4	3	(MTJ or (magnetic adj tunnel adj junction)) same (free adj2 layer) same connect$3 same anti-ferromagnetic same conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 14:39
L5	2	("6518588" | "6552926").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/08 14:38
L6	14	(MTJ or (magnetic adj tunnel adj junction)) same (free adj2 layer) same connect$3 same anti-ferromagnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 14:48
L10	35	365/173,158,171,8,173,232.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free with layer) same anti-ferromagnetic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 16:41
L11	2	("5856897" | "6178112").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/08 16:46
S1	477	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 14:15
S2	294	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:49
S3	93	"365"/$.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 15:26

S4	14	"365"/$.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1) same sandwich$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 15:16
S5	4	("3623038" | "5055158" | "5390061" | "5432734").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 08:38
S6	18	("5341118" | "5408377" | "5640343" | "5650958" | "5668688" | "5748524" | "5764567" | "5793697" | "5828598" | "5835003" | "5835314" | "5838608" | "5841692" | "5898547" | "5936402" | "5946228" | "5986858" | "6021065").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 08:45
S7	71	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1) same sandwich$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/22 10:04
S8	51	(MTJ or (magnetic with tunnel with junction)) same (free adj layer) same (tunnel$3 adj barrier) same (pin$3 adj layer$1) same sandwich$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/22 10:25
S9	5	"365"/$.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free adj layer) same (tunnel$3 adj barrier) same (pin$3 adj layer$1) same sandwich$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 12:35
S10	3	("5825682" | "5982675" | "6438665").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 10:56
S11	10	("5065362" | "5361224" | "5751627" | "6021065" | "6097629" | "6147922" | "6175525" | "6178111" | "6269027" | "6304477").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 11:04
S12	3	("6175475" | "6259586" | "6295225").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 11:07
S13	7	("5640343" | "6097625" | "6130835" | "6191972" | "6215707" | "6256224" | "6256247").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 11:09

S14	1	("6108177").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 11:39
S15	1	("6108177").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 12:10
S16	9	("5390061" | "5629922" | "5636093" | "5650958" | "5654566" | "5708358" | "5828598" | "5986858" | "6022633").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 12:11
S17	9	("5390061" | "5629922" | "5636093" | "5650958" | "5654566" | "5708358" | "5828598" | "5986858" | "6022633").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/22 12:21
S18	9	"365"/$.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1) same conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:26
S19	13	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1) same conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:26
S20	2	"5,702831".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:26
S21	24	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 or barrier) same (pin$3 with layer$1) same conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:27
S22	2	("6379978" | "6473336").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/23 08:47
S23	69	(MTJ or (magnetic with tunnel with junction)) same ((first with free with layer) and (second with free layer)) same ((first with tunnel$3 with barrier) and (second with tunnel$3)) same (pin$3 with layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 09:28

S25	88	(MTJ or (magnetic with tunnel with junction)) same ((first with free with layer) and (second with free layer)) same ((first with tunnel$3) and (second with tunnel$3)) same (pin$3 with layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:53
S26	17	"365"/$.ccls. and (MTJ or (magnetic with tunnel with junction)) same ((first with free with layer) and (second with free layer)) same ((first with tunnel$3) and (second with tunnel$3)) same (pin$3 with layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 08:53
S27	2	("6379978" | "6473336").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/23 09:26
S28	0	(MTJ or (magnetic with tunnel with junction)) same ((first with free with layer) and (second with free layer)) same ((first with tunnel$3 with barrier) and (second with tunnel$3)) same (pin$3 with layer$1) same (I/O or input/output) same (logic with circuit$1) same conductor same parallel	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 10:23
S29	2	"6,211559".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 11:07
S30	2	"6,166948".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 11:15
S31	18	("5,930165" "6,005800" "6,055178" "6,072718" "6,331943" "6,335890" "6,349054" "6,473337" "6,483734").pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/23 11:17
S32	5	("5701222" | "5991193" | "6104632" | "6269018" | "6331944").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2004/12/23 11:48
S33	14	365/173,158,171,8,173,232.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1) same sandwich$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 15:26

S34	83	365/173,158,171,8,173,232.ccls. and (MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same (pin$3 with layer$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 16:41
S36	1	"10/464311"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/28 15:50
S37	1	10/464311	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 12:39
S38	2	"6,469926".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 16:30
S39	3	10/263495	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 16:33
S40	2	"6,166948".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 17:23
S41	2	"6,211559".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/12/29 17:23
S42	79	365/158,171,173.ccls. and (pinn$2 adj layer) same (free adj layer) same (tunnel$3 adj barrier)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/23 11:42
S43	1	("2003/0048658").URPN.	USPAT	OR	OFF	2005/05/23 11:53
S44	2	("6324096" | "6442092").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/23 11:57
S45	5	("5650958" | "5764567" | "5792510" | "5871622" | "6297983").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/23 11:59

S46	2	09/768908	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/23 14:33
S47	239	(MTJ or (magnetic with tunnel with junction)) same (free with layer) same (tunnel$3 with barrier) same ((pinned adj layer) or fix)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 08:17
S48	54	(MTJ or (magnetic with tunnel with junction)) same (first with free with layer) same (first with tunnel$3 with barrier) same ((pinned adj layer) or fix)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 11:56
S49	98310	chen.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 08:36
S50	703	"365"/$.ccls. and chen.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 08:36
S51	11	"365"/$.ccls. and chen.in. and MTJ	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 09:03
S52	2	("5764567" | "6114719").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 11:50
S53	53	(MTJ or (magnetic with tunnel with junction)) and (first with tunnel$3 with barrier) same between same ((pinned adj layer) or fix) same (first with free with layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 09:06
S54	1	("6108177").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 09:36
S55	1	"6,185,080".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 09:36
S56	1	("6108177").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 10:00

S57	9	("5390061" | "5629922" | "5636093" | "5650958" | "5654566" | "5708358" | "5828598" | "5986858" | "6022633").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 10:18
S58	1	"6,469926".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 10:19
S59	2	(MTJ or (magnetic with tunnel with junction)) same (first with free with layer) same (first with tunnel$3 with barrier) same ((pinned adj layer) or fix) same magneto-resistance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 10:28
S60	2	10/464311	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 11:41
S61	12612	Tang.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 11:42
S62	21	Tang.in. and MTJ	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 11:42
S63	8	("5793697" | "5838608" | "6242770" | "6335890" | "6418046" | "6456524" | "6630703" | "6639830").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 11:49
S64	2225	(logic with circuit) near5 (I/O or input/output)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 11:51
S65	107	(memory adj cell$1) with (logic with circuit) near5 (I/O or input/output)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 12:05
S66	20	(memory adj cell$1) near5 (logic with circuit) near5 (I/O or input/output)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 11:52
S67	53	(MTJ or (magnetic with tunnel with junction)) same (first with free with layer) same (first with tunnel$3 with barrier) same (pinned adj layer)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 11:56

S68	1	S65 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/27 11:56
S69	1	(memory adj cell$1) with (logic with circuit) near5 (I/O or input/output) and (MTJ or (magnetic with tunnel with junction)) and (conductor with connect$3 with MTJ)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 12:04
S70	1	(memory adj cell$1) with (logic with circuit) near5 (I/O or input/output) and (MTJ or (magnetic with tunnel with junction)) and conductor	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 12:04
S71	1	(memory adj cell$1) with (logic with circuit) near5 (I/O or input/output) and (MTJ or (magnetic with tunnel with junction))	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 12:04
S72	1	(MTJ or (magnetic with tunnel with junction)) and (memory adj cell$1) with (logic with circuit) near5 (I/O or input/output)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 12:05
S73	4	(MTJ or (magnetic with tunnel with junction)) and (memory adj cell$1) same (logic with circuit) same (I/O or input/output)	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 12:55
S74	1	"6,469926".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/27 13:25
S75	2	10/334002	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/08 15:47
S76	1	"6,185080".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 18:30
S77	1	(MTJ or (magnetic with tunnel with junction)) and (first with magneto-resistance with ratio) same differen$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 20:12
S78	11	(MTJ or (magnetic with tunnel with junction)) and (first with magneto-resistance with ratio) and differen$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 18:32

S79	2	"6,469926".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/01 20:22
S80	3	(MTJ or (magnetic with tunnel with junction)) with anti-ferromagnetic with (free adj2 layer) with conductor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/06/08 14:16
S81	8	("5793697" | "5838608" | "6242770" | "6335890" | "6418046" | "6456524" | "6630703" | "6639830").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 20:24
S82	13	("20020055190" | "5341118" | "5343422" | "5573809" | "5764567" | "5966012" | "6072718" | "6153320" | "6174737" | "6269018" | "6331944" | "6473275" | "6538859").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 20:24
S83	13	("20020055190" | "5341118" | "5343422" | "5573809" | "5764567" | "5966012" | "6072718" | "6153320" | "6174737" | "6269018" | "6331944" | "6473275" | "6538859").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 20:31
S84	8	("4791604" | "5541868" | "5640343" | "5695864" | "5734605" | "6069820" | "6072382" | "6130835").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 20:33
S85	8	("5793697" | "5838608" | "6242770" | "6335890" | "6418046" | "6456524" | "6630703" | "6639830").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/06/01 20:41